

What Is Claimed Is:

1. A device for controlling firing circuits for restraining devices in a motor vehicle, comprising:

at least one igniter;

output stages;

a firing circuit control for connection to the at least one igniter and the output stages;

a processor connected to the firing circuit control for controlling the restraining devices, the processor releasing the output stages in response to a crash of the motor vehicle; and

a safety IC connected to the firing circuit control for releasing the at least one igniter in response to a crash, the safety IC recognizing a crash;

wherein the firing circuit control has blocking inputs and blocking registers for blocking groups of connectable firing circuits which have the output stages and the at least one igniter;

wherein, subsequent to the device being switched on, the processor sets the blocking registers and the safety IC connecting the blocking inputs as a function of an occupancy of seats of the motor vehicle; and

wherein the firing circuit control logically links data of the blocking inputs and of the blocking registers to one another, in order to block individual groups of firing circuits.

2. The device according to claim 1, wherein the processor is adapted to read the blocking inputs and the blocking registers.

3. The device according to claim 1, wherein the processor blocks the blocking registers after they have been set.

4. The device according to claim 1, further comprising means for checking the blocking registers, the blocking inputs and a logical linking by the processor after the device is switched on.

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- Figure 1 consists of 12 histograms, labeled (a) through (l), arranged vertically. Each histogram shows the frequency of the number of non-zero elements in the vector of the first 1000 iterations of the algorithm. The x-axis for all histograms is 'Number of non-zero elements' ranging from 0 to 1000. The y-axis is 'Frequency' ranging from 0 to 100. The distributions are roughly bell-shaped and centered around 500, with slight variations in spread and peak frequency depending on the value of α .